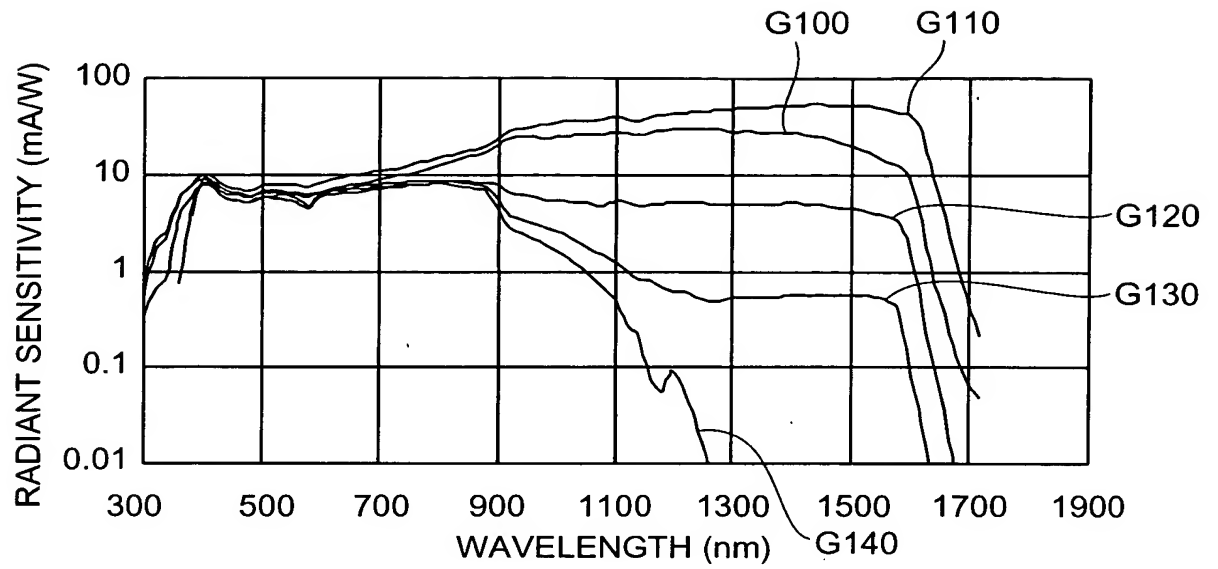


**Fig.1**



**Fig.2**

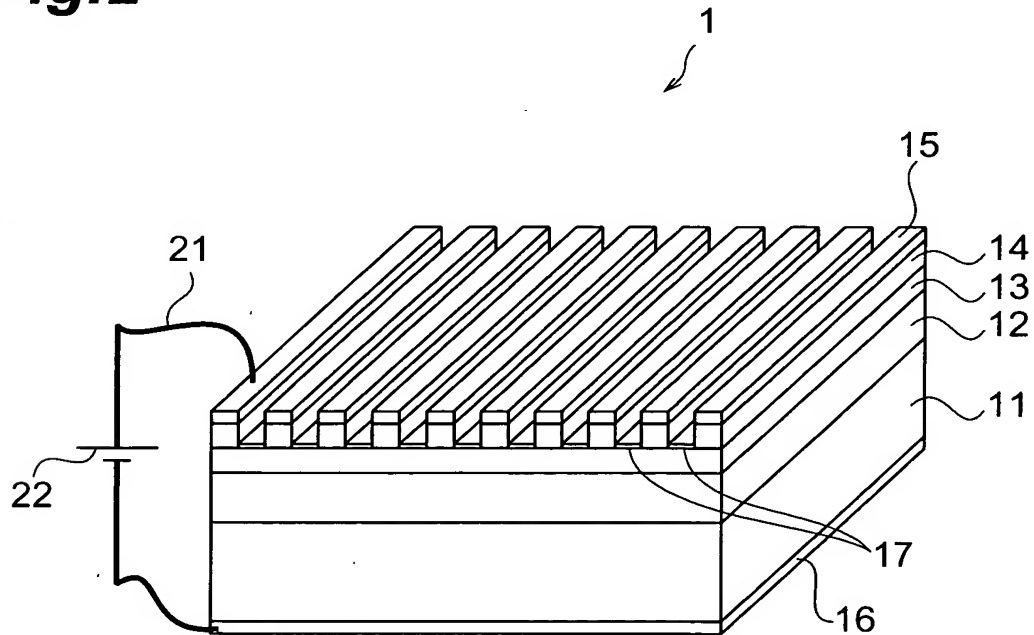
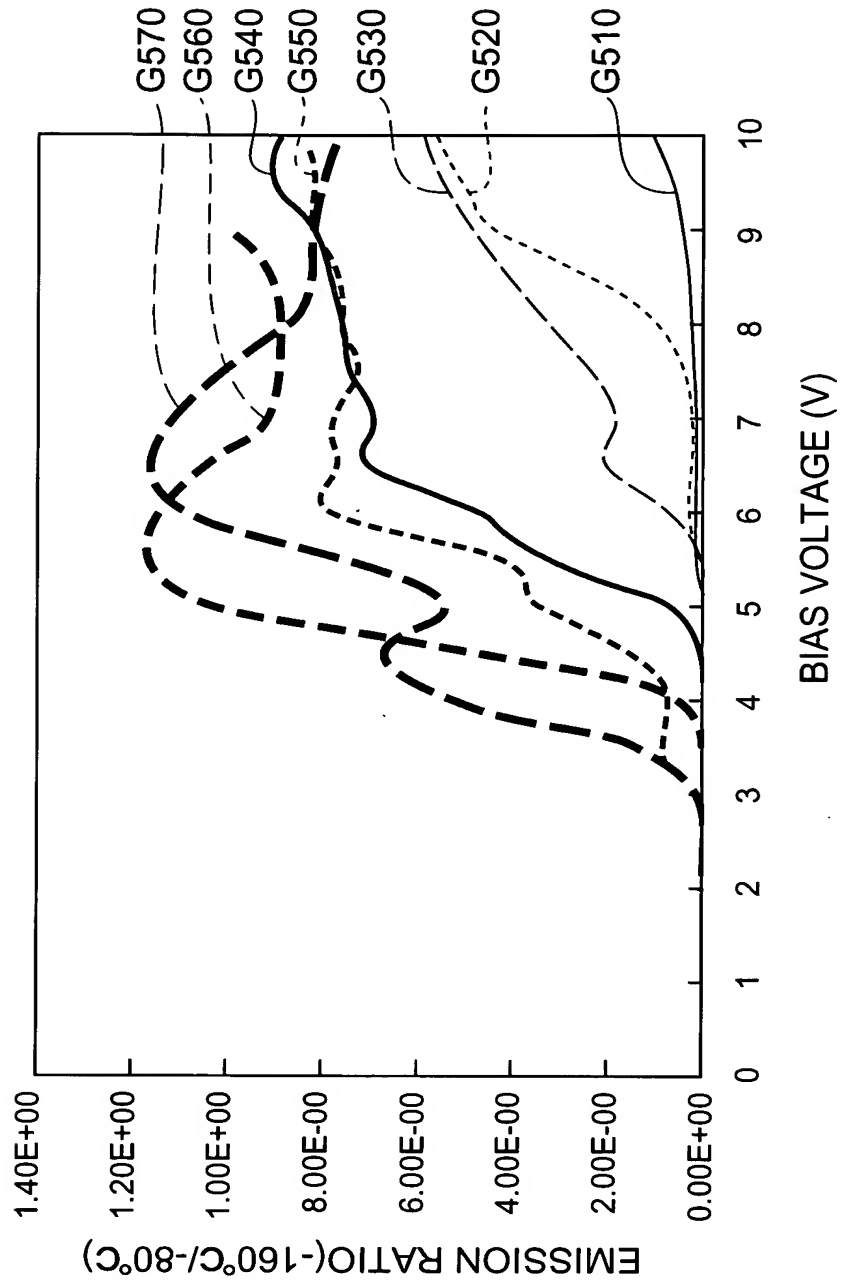


Figure 1 is a line graph showing the radiant sensitivity curves for five different photomultiplier tubes (PMTs): G410, G420, G430, G440, and G450. The y-axis represents Radiant Sensitivity in mA/W on a logarithmic scale from 0.01 to 100. The x-axis represents Wavelength in nm on a linear scale from 300 to 1900. All curves exhibit a broad peak around 400-500 nm and a sharp drop-off after 1500 nm. The G410 curve is the highest, while G450 is the lowest.

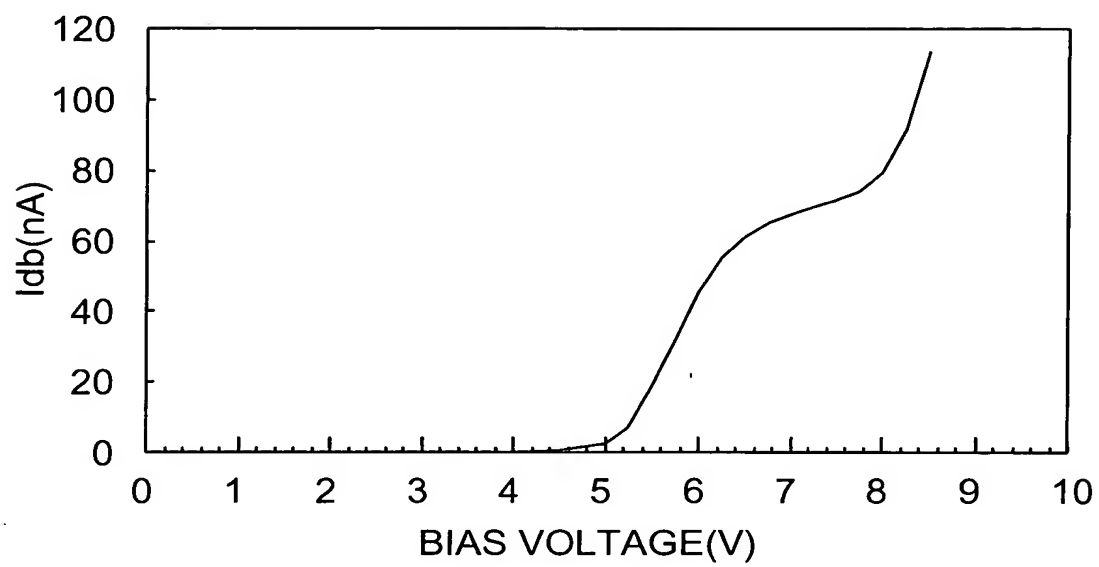
Wavelength (nm)	G410	G420	G430	G440	G450
300	1.0	0.8	0.6	0.5	0.4
400	6.0	5.0	4.0	3.0	2.0
500	5.0	4.0	3.0	2.0	1.5
1000	20.0	18.0	16.0	14.0	12.0
1500	30.0	28.0	26.0	24.0	22.0
1600	20.0	18.0	16.0	14.0	12.0
1700	0.5	0.3	0.2	0.15	0.1
1800	0.05	0.03	0.02	0.015	0.01

**Fig.5**



**Fig.6**

BIAS VOLTAGE (V)	SAMPLE1 AT SPACING OF 4 $\mu\text{m}$	SAMPLE2 AT SPACING OF 2.5 $\mu\text{m}$	SAMPLE3 AT SPACING OF 2.5 $\mu\text{m}$	SAMPLE4 AT SPACING OF 1.8 $\mu\text{m}$	SAMPLE5 AT SPACING OF 1.8 $\mu\text{m}$	SAMPLE6 AT SPACING OF 1.4 $\mu\text{m}$	SAMPLE7 AT SPACING OF 1.4 $\mu\text{m}$
0.5							
1							
1.5			0.00E+00				
2		0.00E+00	0.00E+00				0.00E+00
2.5		1.33E-02	0.00E+00	0.00E+00		0.00E+00	2.40E-03
3	0.00E+00	3.11E-03	0.00E+00	1.97E-03	0.00E+00	1.19E-02	1.61E-03
3.5	2.94E-06	3.08E-04	0.00E+00	8.33E-04	8.59E-02	1.44E-01	3.14E-03
4	3.45E-06	1.62E-04	6.99E-06	6.67E-04	6.87E-02	5.28E-01	4.31E-02
4.5	2.83E-05	2.57E-04	1.69E-05	5.63E-03	1.52E-01	6.74E-01	4.40E-01
5	3.03E-04	8.83E-04	5.43E-05	7.24E-02	3.48E-01	5.45E-01	1.05E+00
5.5	1.42E-02	6.46E-03	7.20E-04	3.35E-01	4.20E-01	7.59E-01	1.17E+00
6	1.54E-02	7.13E-02	3.19E-02	4.75E-01	7.90E-01	1.10E+00	1.14E+00
6.5	1.23E-02	2.08E-01	2.46E-02	7.09E-01	7.75E-01	1.17E+00	1.05E+00
7	1.24E-02	1.87E-01	2.40E-02	6.97E-01	7.85E-01	1.11E+00	9.17E-01
7.5	1.87E-02	2.38E-01	3.60E-02	7.43E-01	7.31E-01	1.01E+00	9.00E-01
8	2.01E-02	3.26E-01	9.25E-02	7.62E-01	7.60E-01	8.78E-01	8.92E-01
8.5	2.72E-02	4.11E-01	2.30E-01	7.88E-01	7.69E-01	8.31E-01	9.08E-01
9	4.37E-02	4.89E-01	4.38E-01	8.17E-01	8.31E-01	8.31E-01	9.97E-01
9.5	6.32E-02	5.47E-01	5.09E-01	9.08E-01	8.20E-01	8.03E-01	
10	1.11E-01	5.95E-01	5.67E-01	8.93E-01	8.46E-01	7.72E-01	

*Fig.7*

**Fig.8**

ELECTRODE SPACING 2L( $\mu$ m)	bias(V)	bias(V)/2L	W(m)	R(m)	R/W
1.4	3.4	2.43E+00	8.06E-07	9.90E-07	1.23E+00
1.4	4.1	2.93E+00	8.64E-07	9.90E-07	1.15E+00
1.8	4.3	2.39E+00	8.80E-07	1.14E-06	1.30E+00
1.8	5.1	2.83E+00	9.41E-07	1.14E-06	1.21E+00
2.5	8.1	3.24E+00	1.14E-06	1.43E-06	1.26E+00

**Fig.9**